

Module Title:	Biology 1 – A View of Life
Academic year:	2008 – 2009
Credit Value:	10 – Mandatory
Pre- requisites:	None
Assessment:	20% Continuous Assessment (C.A.), 40% Practical, 40% Final Exam
Aims	The aim of this module is to provide the student with structured learning opportunities leading to the development of a foundation level knowledge skill and competence in a range of topics in biology on which the student can build their skill sets in subsequent semesters. This will be achieved through direct learning through lectures, assignments and laboratory classes.
Module Content	<ul style="list-style-type: none"> • The Scope of Biology • The Cell And How We View It • Eukaryotic Cells – A Closer Look • The Cell Membrane • The Genetic Basis of Life • Topics in Human Physiology
Intended Learning Outcomes:	<p>On successful completion of this module the student should be able to:</p> <ol style="list-style-type: none"> 1. Describe basic cell biology including cell membrane biology 2. Recall the fundamentals of genetic inheritance patterns 3. Identify key systems in human physiology and explain their operation and function 4. Separate and identify key plant components e.g. chlorophyll 5. Demonstrate the ability to use pipettes and balances and prepare working solutions. 6. Perform basic biological laboratory tasks including microscopy, data collection and report writing.